CCA43/CSCS43/CESC63C — WIRELESS DATA COMMUNICATIONS

Time : Three hours   Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Name any two forms and their purposes.

2. Define the term Internetwork

3. Compare propagation speed and propagation time.

4. Name three types of Transmission impairment.

5. How does a single bit error differ from a burst error?

6. Define-Repeater.

7. What is the global goal of WLANs?

8. State any two merits and demerits of radio transmission.

9. Write the purpose of using sub netting.

10. How do authentication and authorization differ?

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Narrate three Data communication network criteria's.

Or

(b) Describe the functions of physical layer.

12. (a) Write short notes on the satellite communication.

Or

(b) Differentiate between the following :

(i) Digital and Analog signals

(ii) Periodic and Aperiodic signals

13. (a) Briefly discuss on the sliding window method of flow control.

Or

(b) Summarize the types of switches used in space division switching.

14. (a) Write short notes on infrared versus radio transmission.

Or

(b) Summarize the various services of WATM.

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15. (a) Write an overview about the TCP/IP.

Or

(b) How we can achieve privacy. Explain in detail?

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Expound the basic network topologies.

17. Explicate the different categories of guided media.

18. Exemplify the vertical and longitudinal redundancy check.

19. Describe the architecture of Bluetooth.

20. Explicate the significance of SMTP.

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